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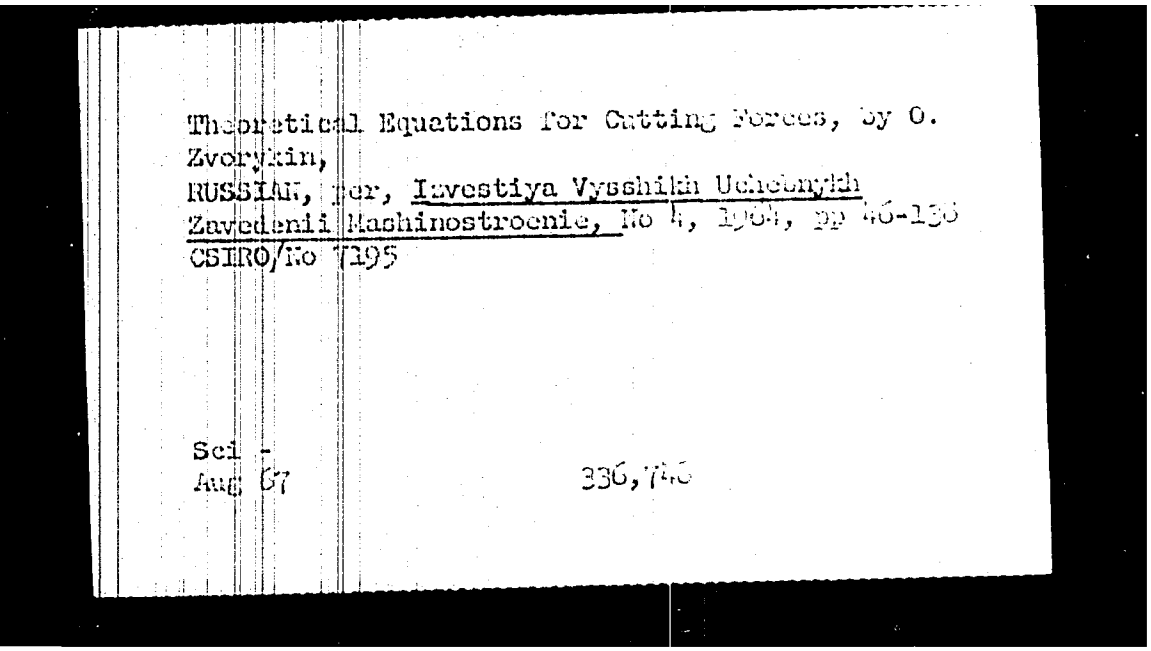

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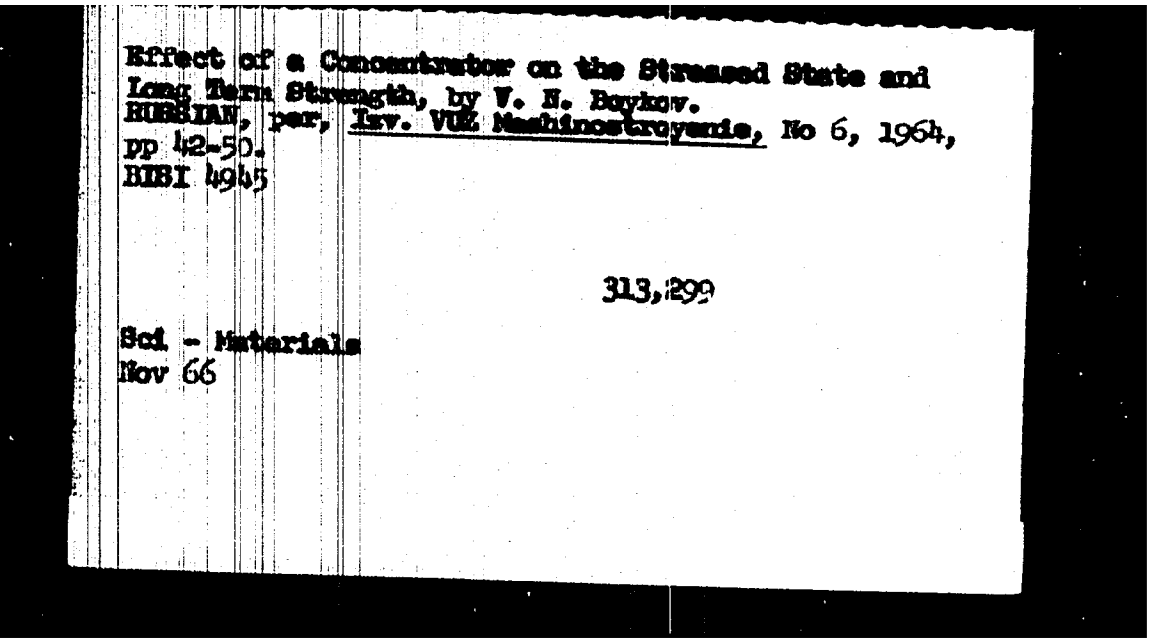

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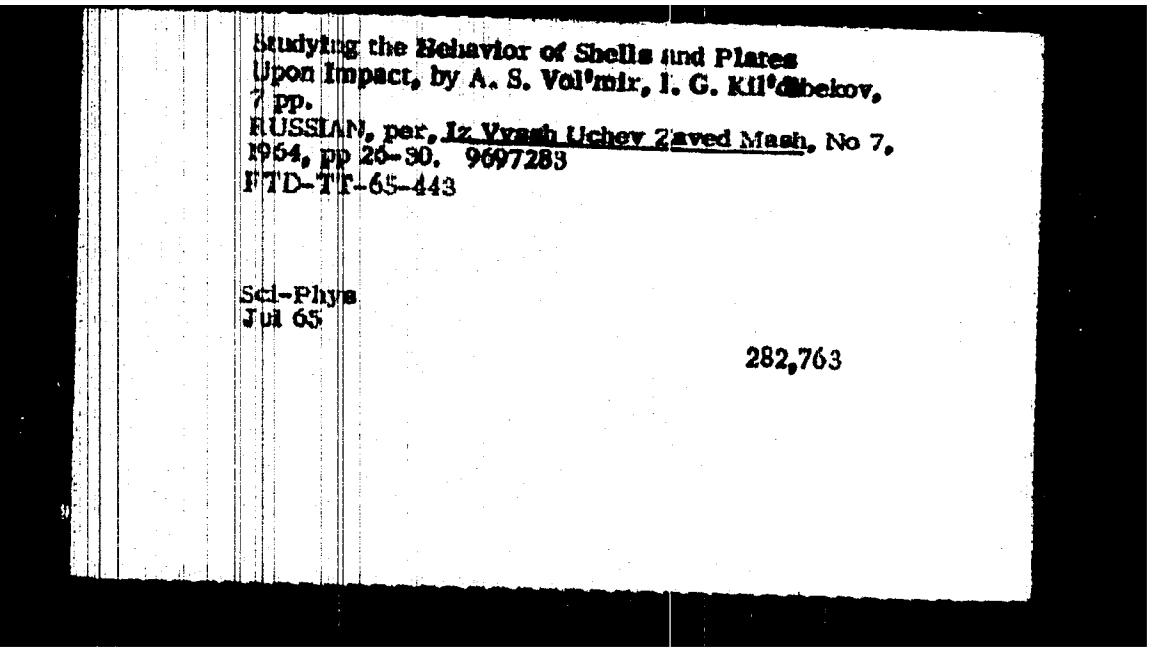

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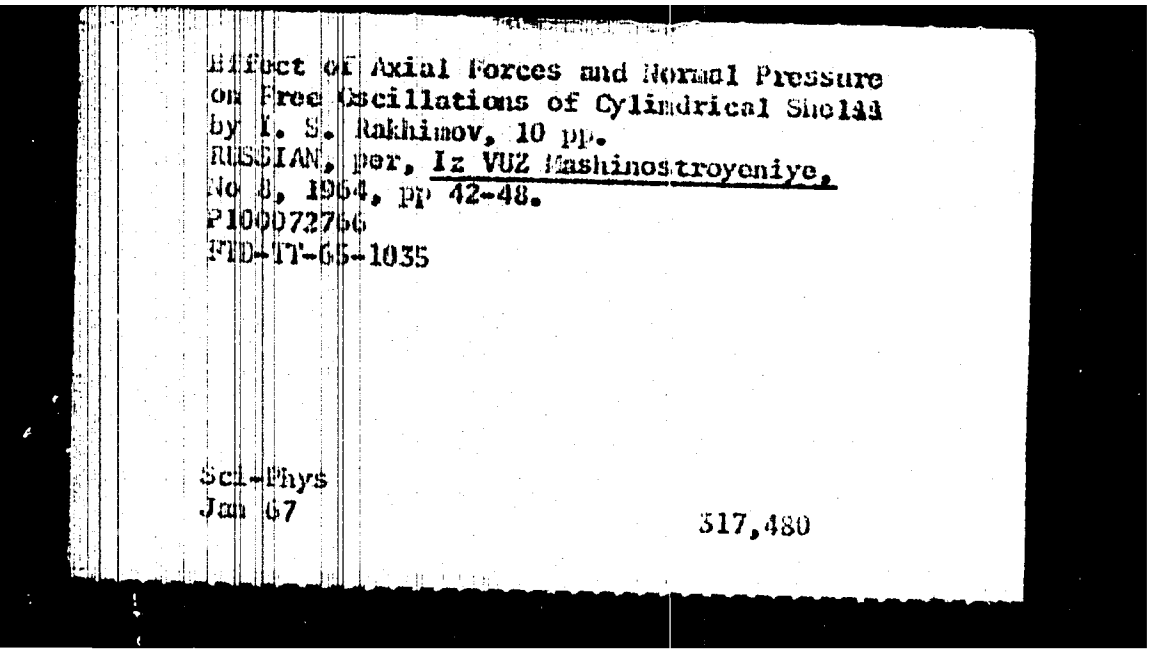

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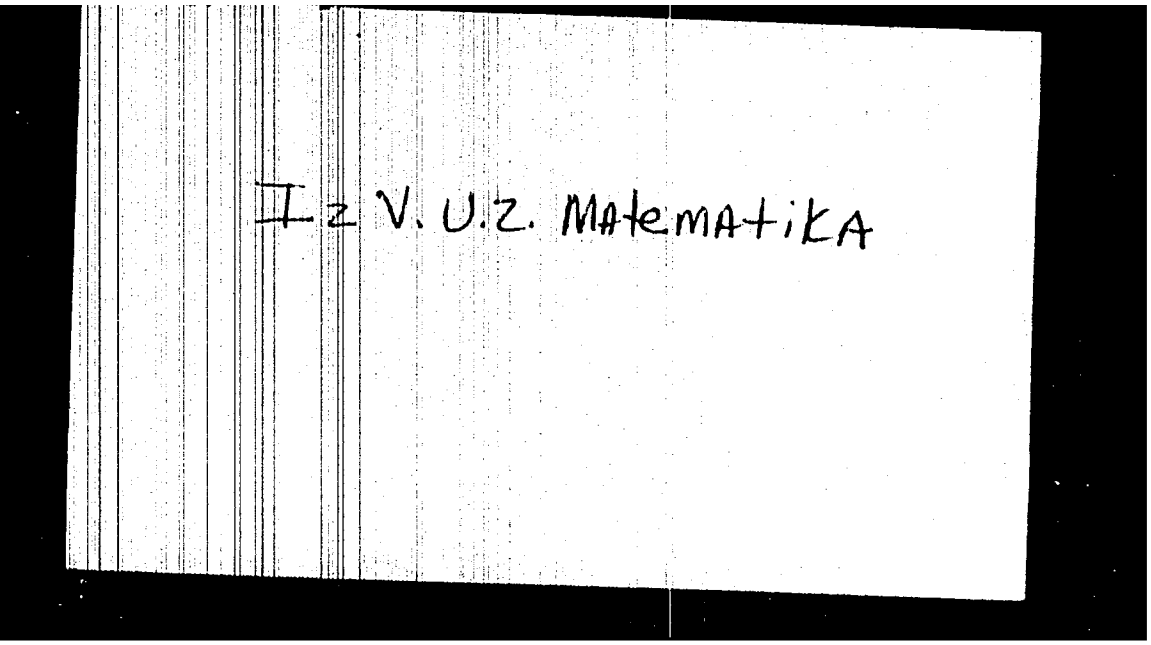

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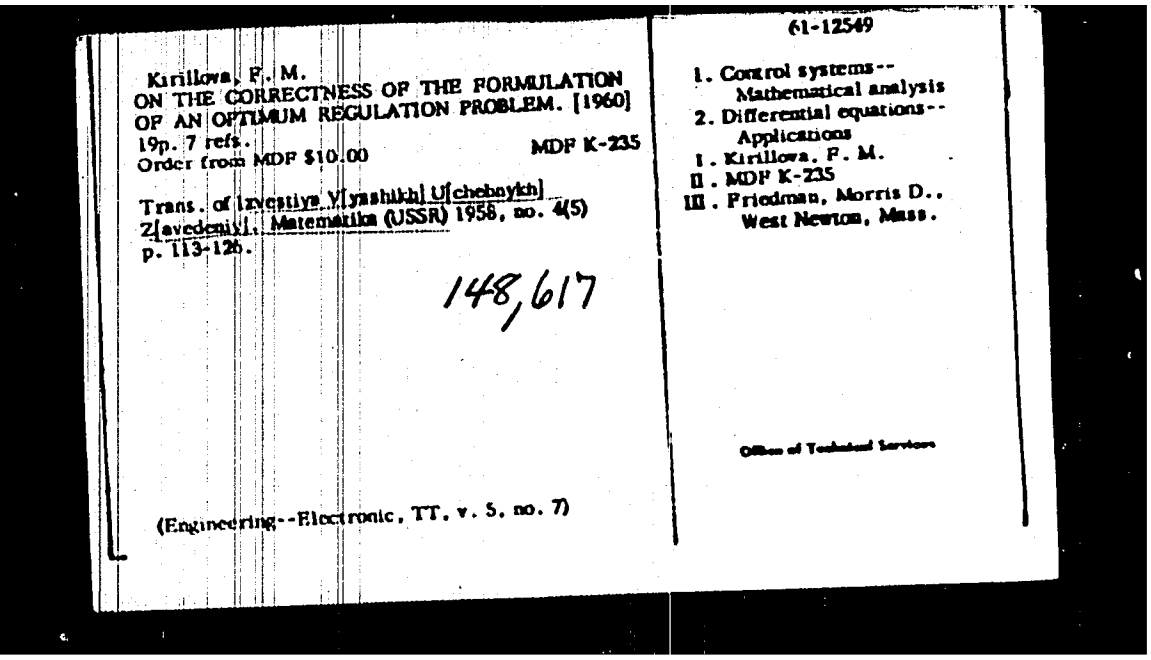

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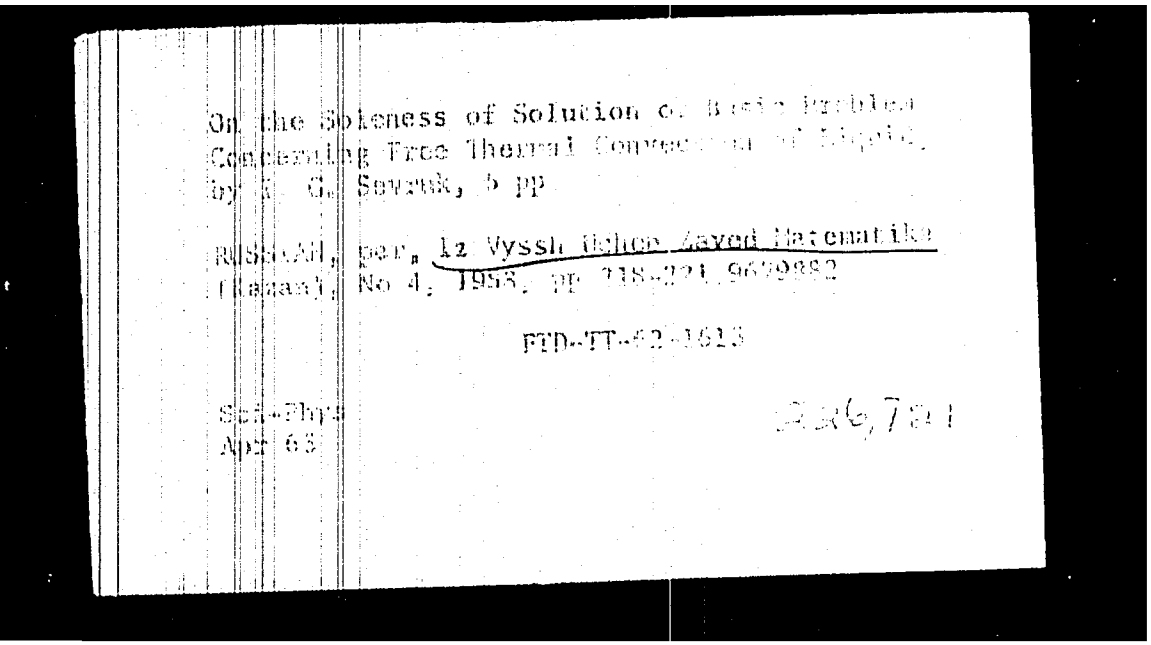

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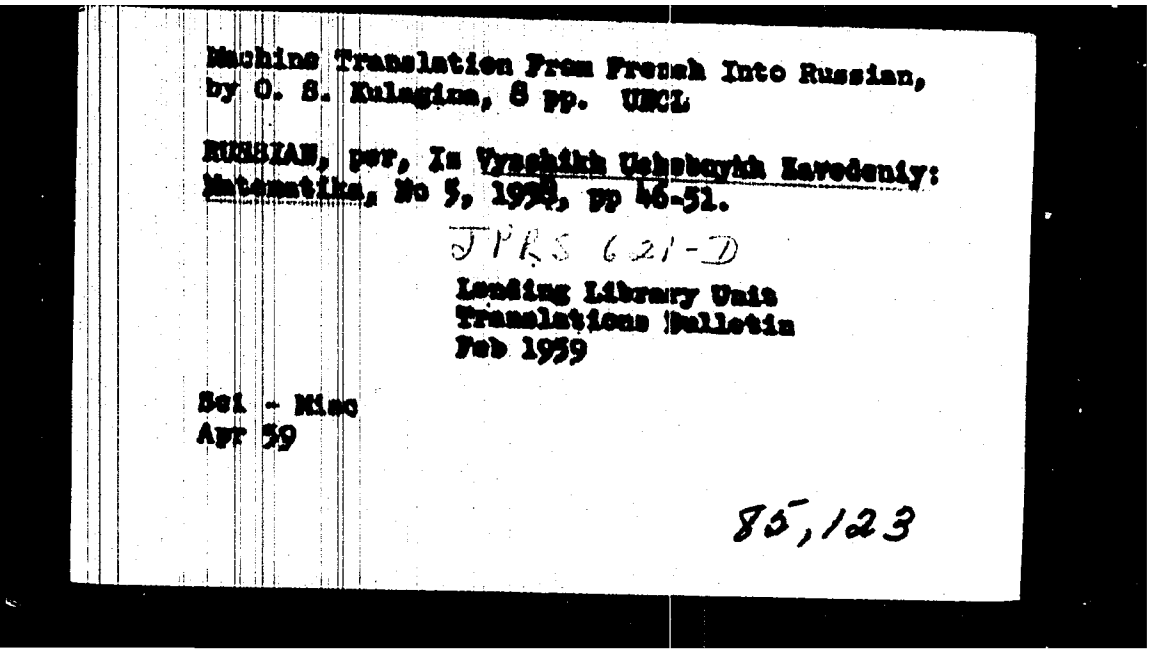

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DESCRIPTORS: *Differential equations, Equations, *Integration, Errors, Numerical analysis.

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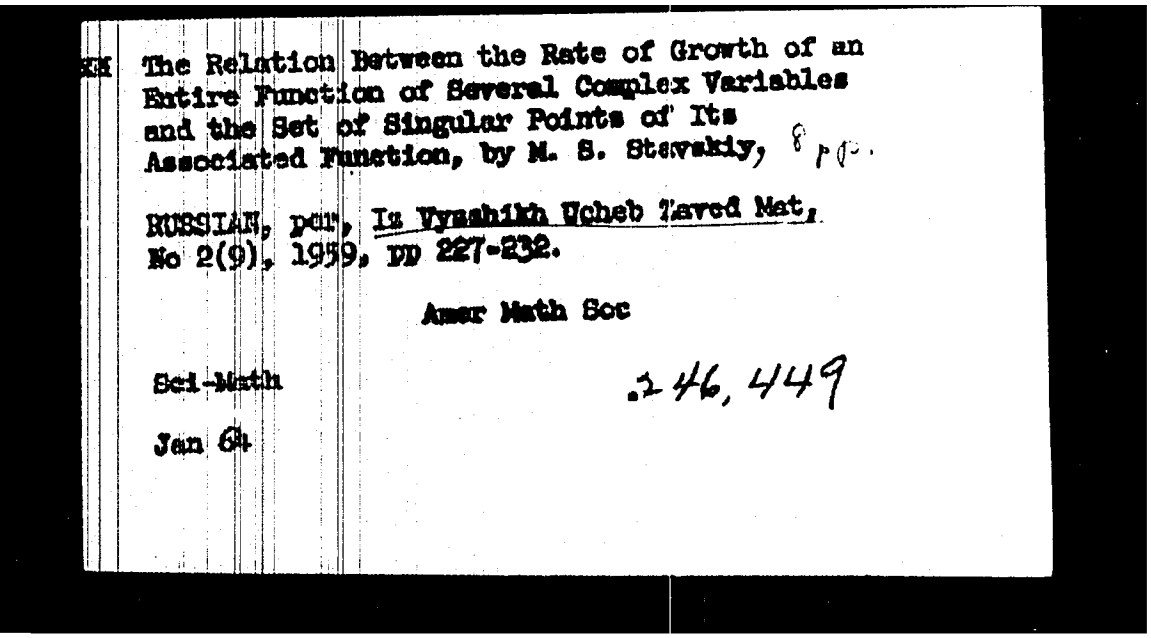

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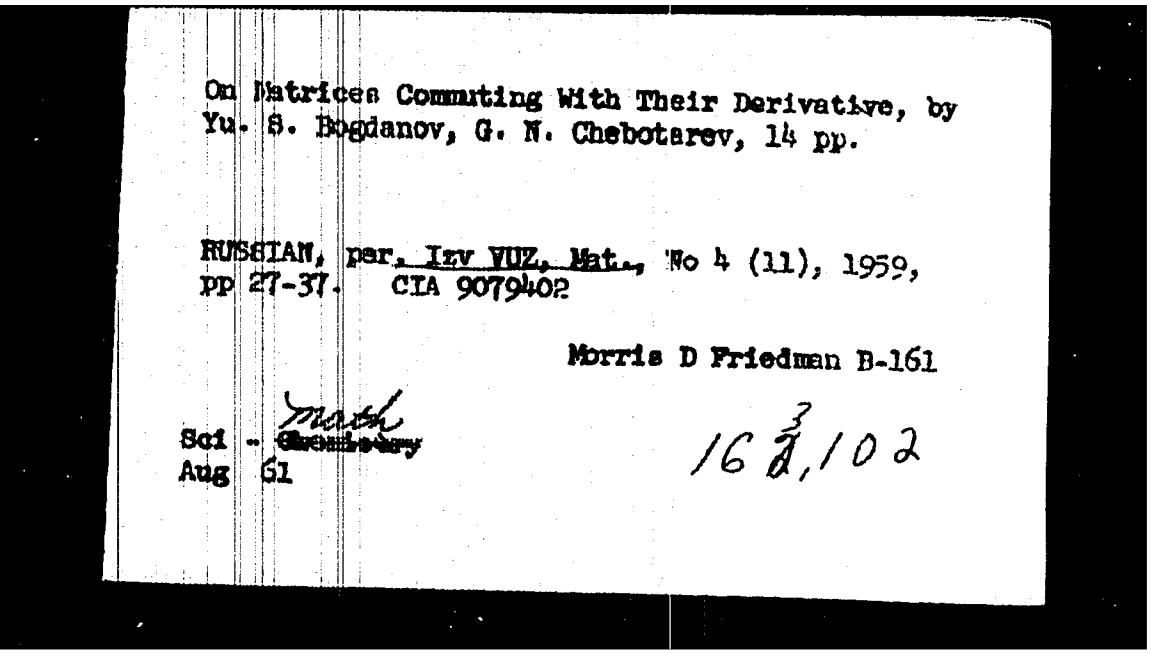

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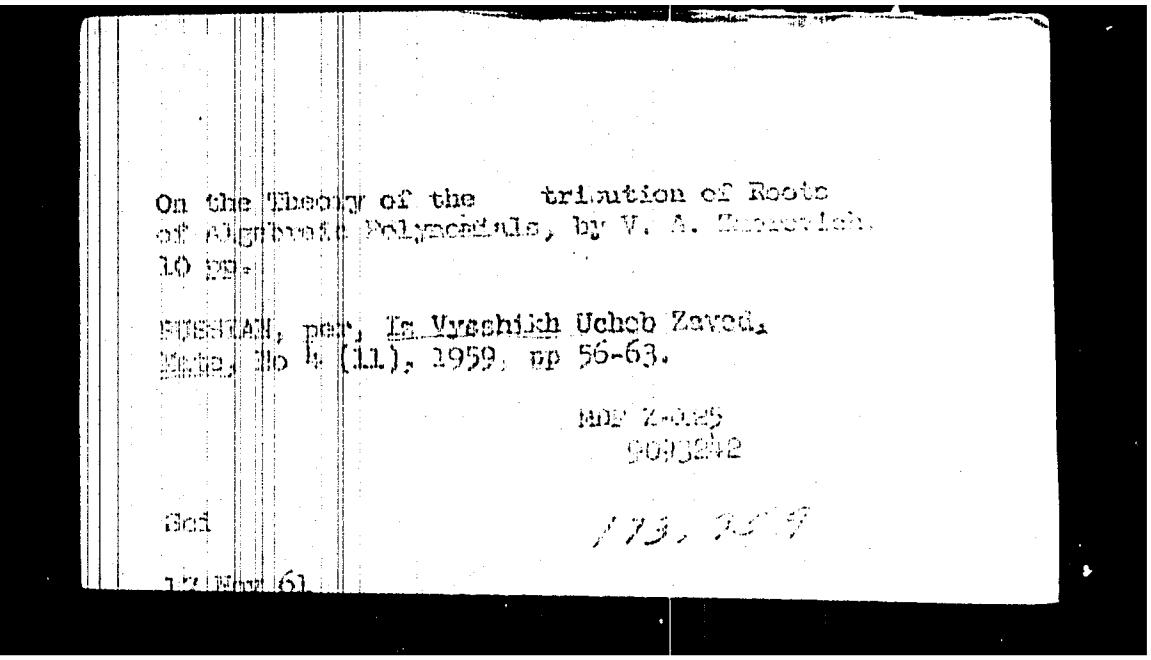

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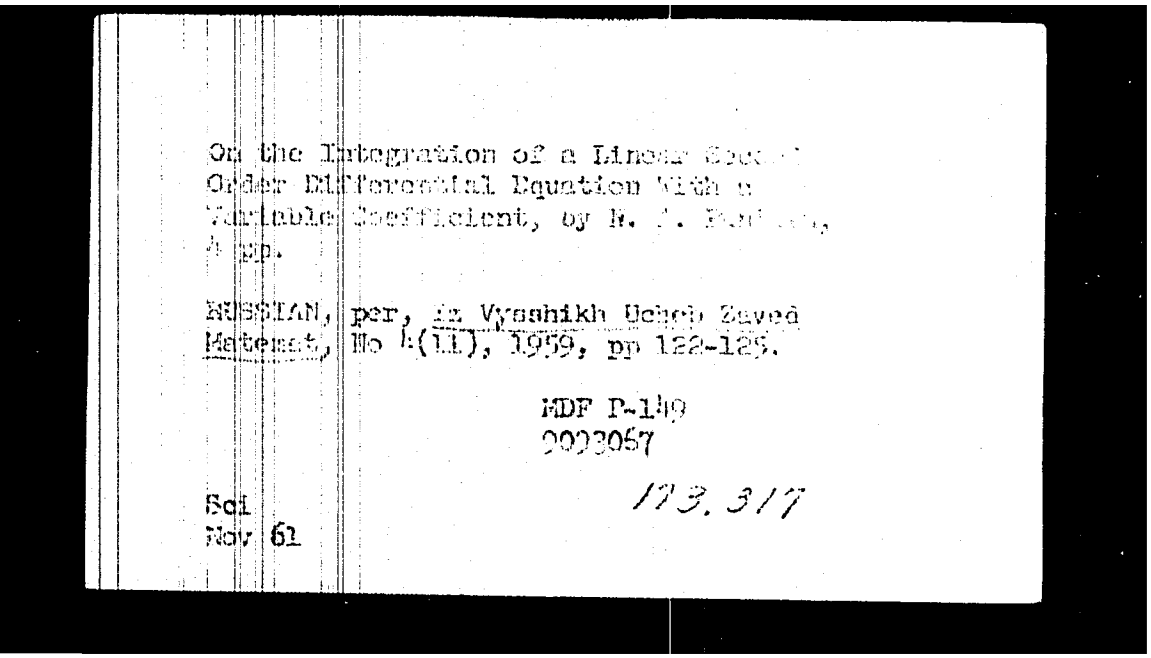

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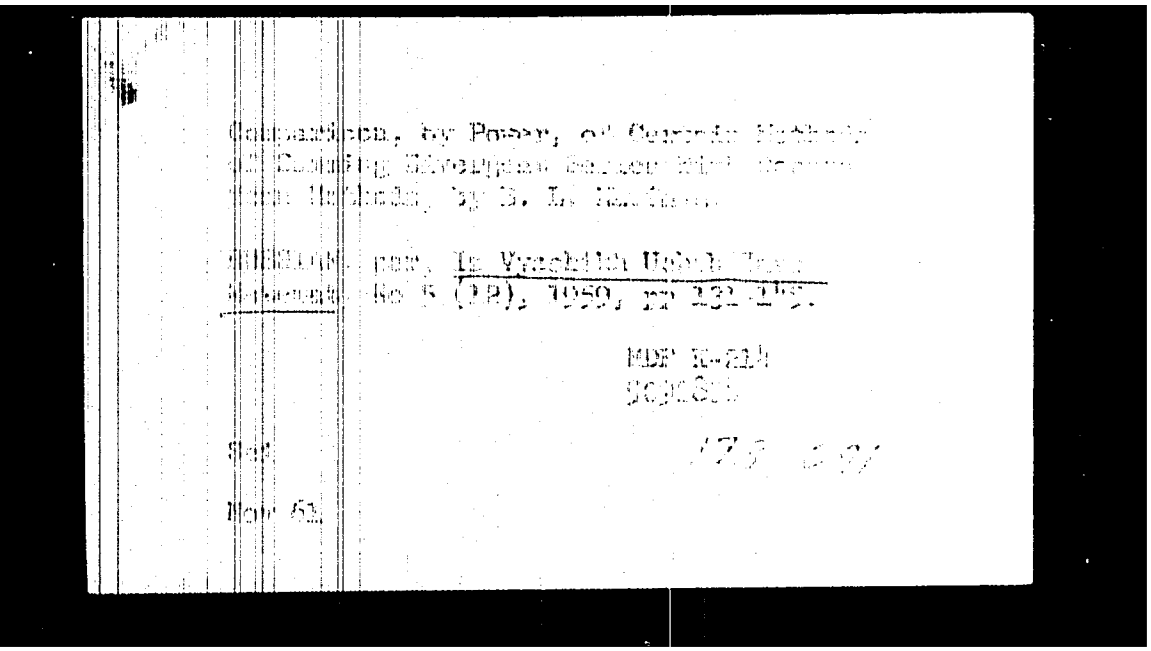

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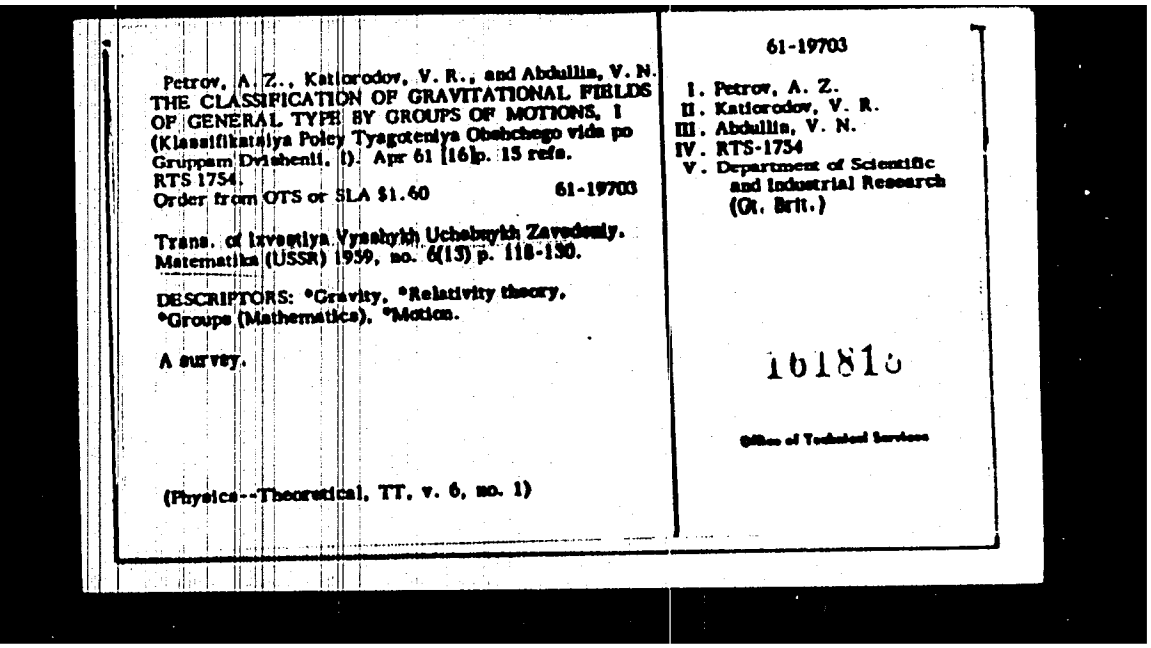

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DESCRIPTORS: *Gravity, *Relativity theory, *Groups (Mathematics), *Motion.

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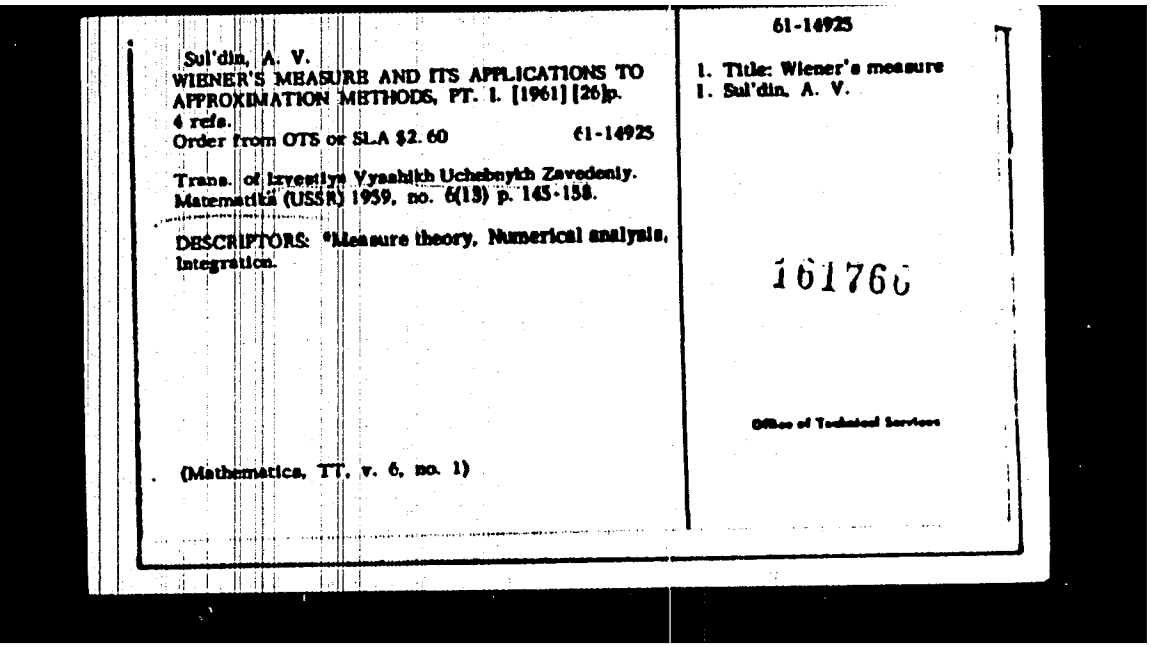

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DESCRIPTORS: *Measure theory, Numerical analysis, Integration.

(Mathematics, TT. v. 6, no. 1)

61-14925

1. Title: Wiener's measure
I. Sul'din, A. V.

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NASA TT F-8140

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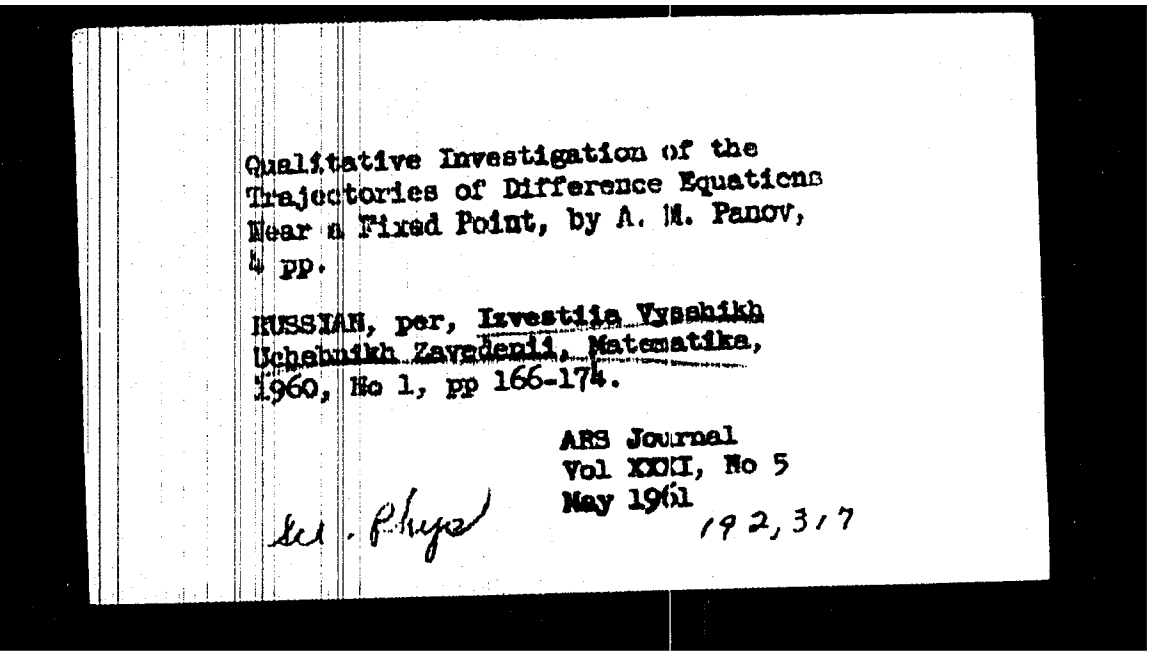

Qualitative Investigation of the Trajectories of Difference Equations Near a Fixed Point, by A. M. Panov, 4 pp.

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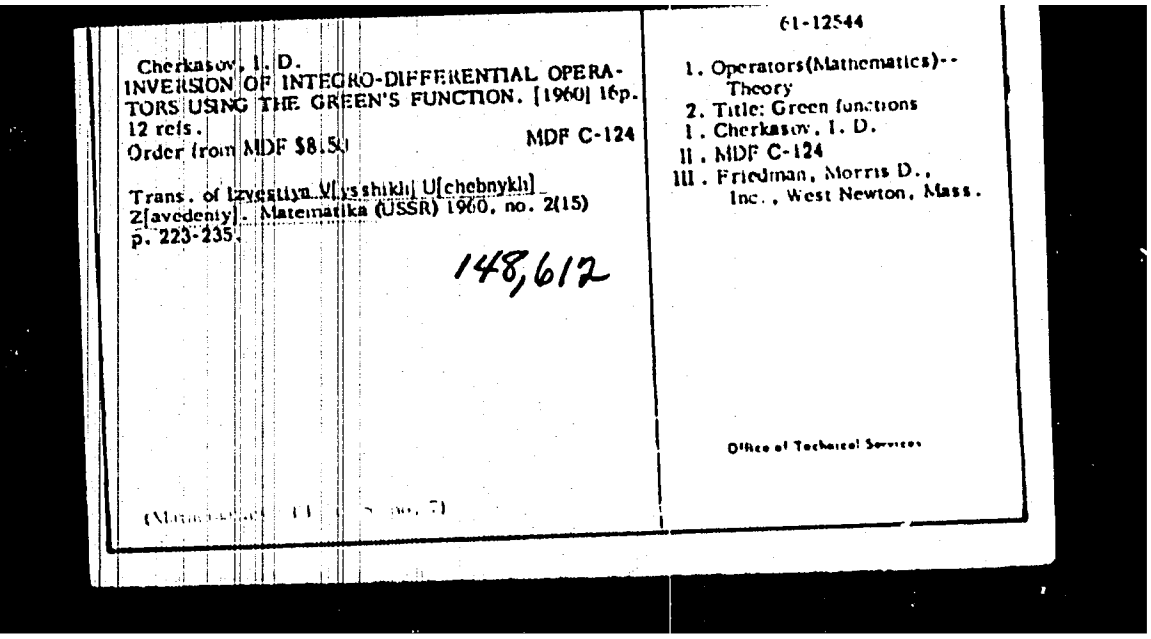

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1. Operators(Mathematics)--Theory
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III. Friedman, Morris D., Inc., West Newton, Mass.

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On the Number of Classes of Ideals of a Real Quadratic Field, by I. Sh. Slavutskiy, 6 pp.

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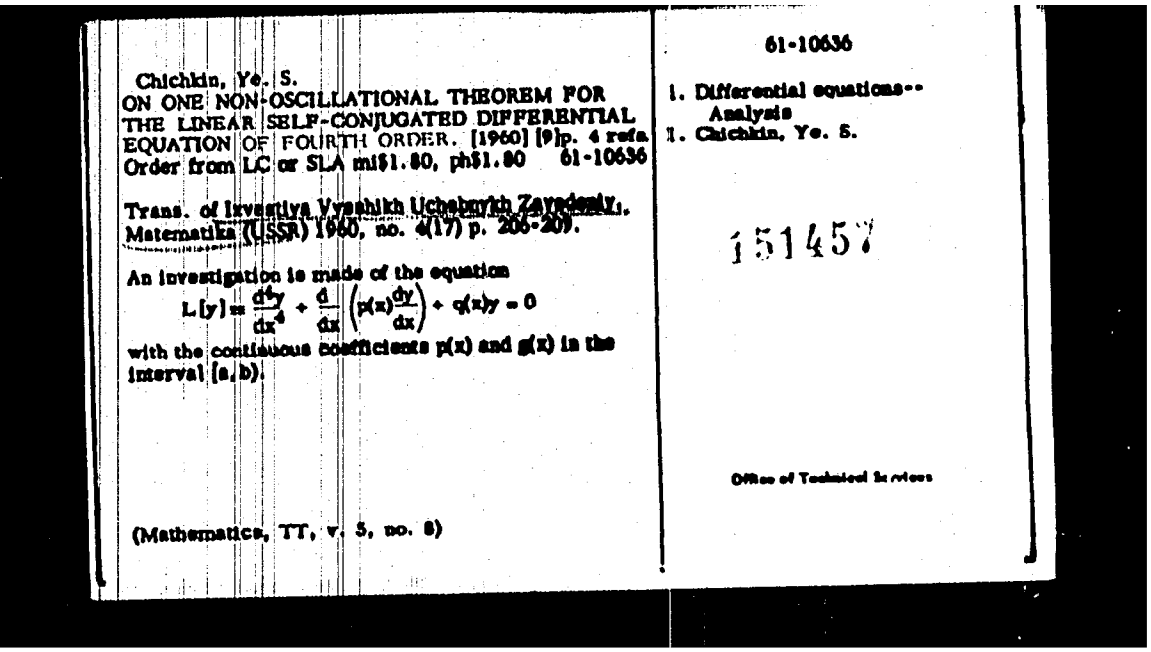

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Order from LC or SLA mi$1.80, ph$1.80 61-10636

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An investigation is made of the equation

$$L[y] \equiv \frac{d^4y}{dx^4} + \frac{d}{dx}\left(p(x)\frac{dy}{dx}\right) + q(x)y = 0$$

with the continuous coefficients p(x) and g(x) in the interval [a, b].

(Mathematics, TT, v. 5, no. 8)

61-10636

1. Differential equations--
Analysis
I. Chichkin, Ye. S.

151457

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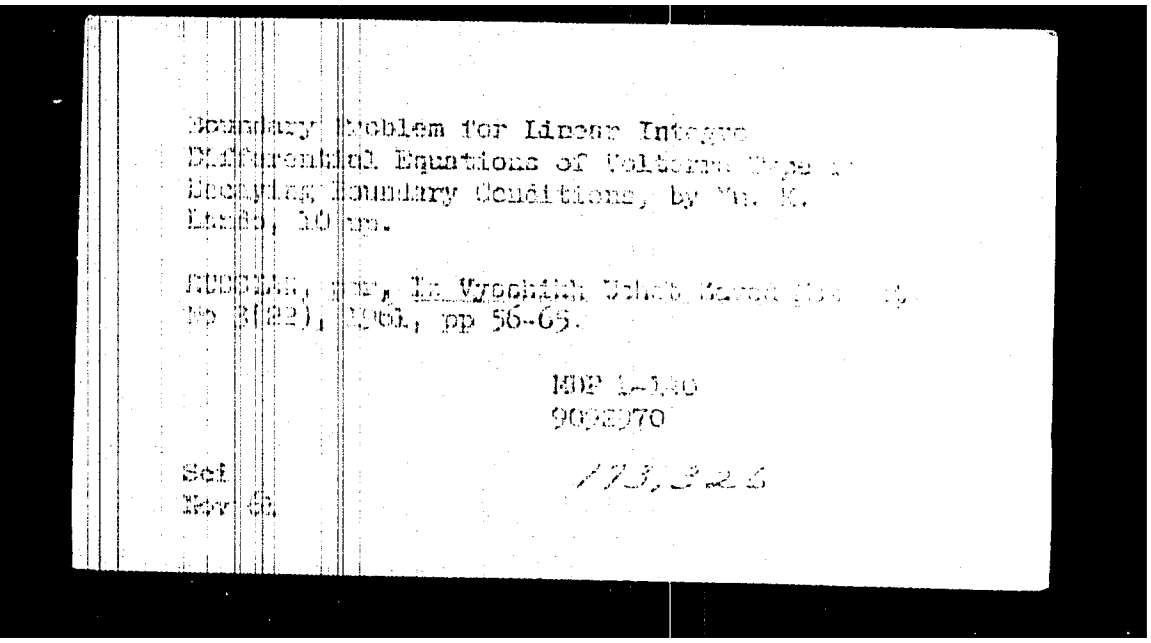

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FTD-TT-62-1089

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SOME PROBLEMS IN THE THEORY OF OPTIMUM CONTROL, BY F. M. KIRILLOVA, 21 PP.

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JPRS 14826

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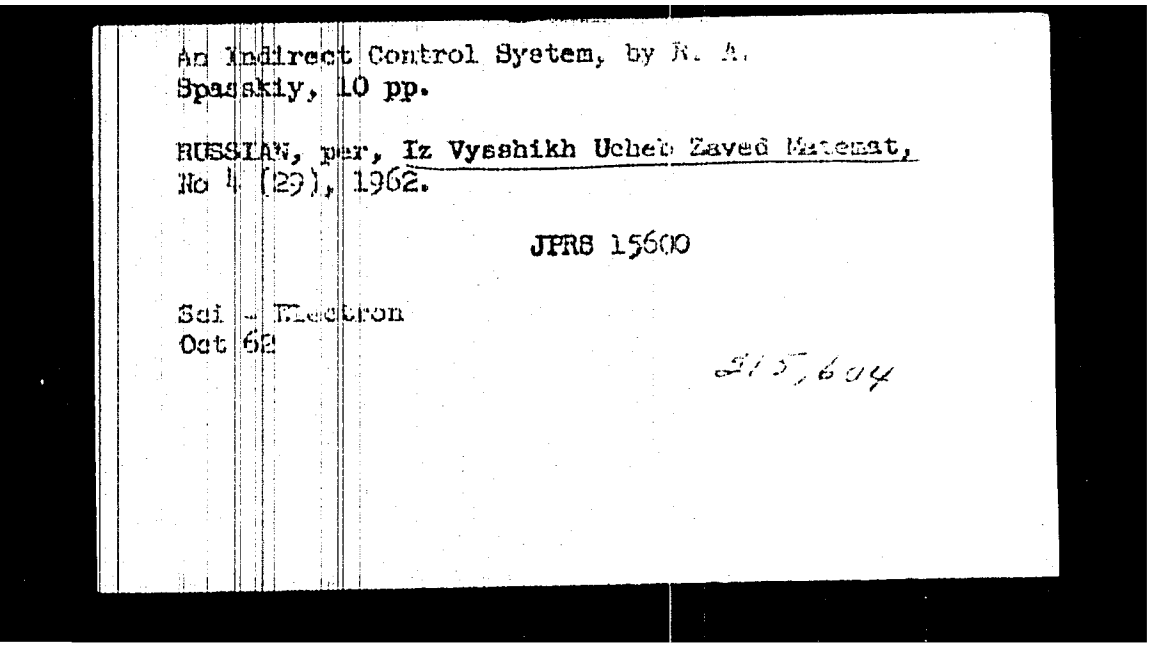

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JPRS 15600

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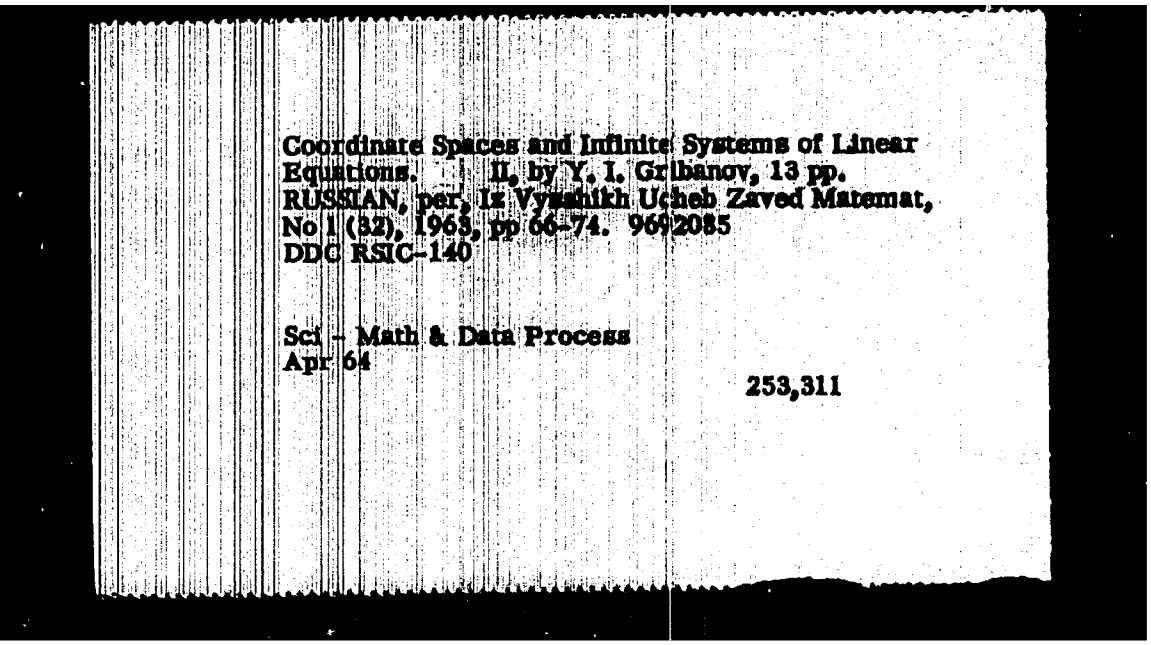

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Sci - Math & Data Process
Apr 64

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

Sarkova, N. V.
THE APPROXIMATE SOLUTION, BY THE METHOD OF OSCILLATING FUNCTIONS, OF INTEGRO-DIFFERENTIAL EQUATIONS AND DIFFERENTIAL EQUATIONS WITH LAGGING ARGUMENT. [1963] [18p]
5refs
Order from OTS or SLA $1.60 63-20188

Trans. of Izvestiya Vyashikh Uchebnykh Zavedenii, Matematika (USSR) 1963, no. 1(32) p. 158-168.

DESCRIPTORS: *Numerical methods and procedures, *Functions, *Integral equations, Integration, *Differential equations, Time-lag theory, Numerical analysis, Errors.

A method is presented which extends the application of the method of oscillating functions to the solution of integro-differential equations with lagging argument
(Mathematics, TT, v. 10, no. 10) (over)

63-20188

1. Title: Oscillating functions
I. Sarkova, N. V.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

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Yakubov, I. T.
AN ASYMPTOTIC EXPRESSION FOR THE GENERALIZED LAGUERRE POLYNOMIALS. [1963] [7]p. 7 refs. Order from OTS or SLA $1.10 63-18371

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii, Matematika (USSR) 1963, no. 1(32) p. 169-171.

DESCRIPTORS: *Polynomials, Numerical analysis.

A new asymptotic expression is presented for the generalized Laguerre polynomials. The expression is derived by studying a particular solution of the Schrodinger equation for large values of the index. (Translator)

(Mathematics, TT, v. 10, no. 10)

63-18371

1. Title: Schrodinger equation
I. Yakubov, I. T.

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Approximate Solution of Differential Equations With Deviating Arguments, by N. V. Sharkova, 17 pp. RUSSIAN, per, Iz Vyssh Ucheb Zaved, Mate, No 3, 1963, pp 173-184. 9692126
FTD-TT-63-1034

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On the Method of Successive Approximations, by
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No 5, 1963, pp 89-92.
NASA TT F-8739

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On the Existence and Uniqueness of a Periodic Solution to a Single Nonlinear Equation of a Hyperbolic Type, by V. N. Kats.
RUSSIAN, per. Iz Vyashikh Ucheb Zaved Matemat, No 5, 1969, pp 43-50.
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Solution of a Second-Order Hyperbolic Differential Equation by Reducing It to a System of Integral Equations, by T. V. Chekmarev.
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Sci - Phys
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Some Problems in the Theory of Approximating Solutions of Differential-operator Equations in Hilbert Space, by L. Kh. Liberman.
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Navy tr 5190

Sci/Mathematical Sci
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On the Absence of Periodic Solutions Taking the Value $x = 0$ in a Class of Differential Equations of the Type $\ddot{x} + x = F(x, \dot{x})$, by G. E. Popov.
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On Summation of Sequences, by B. I. Golubov.
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Dynamic Problem of the Theory of Elasticity for a Plate From Transversal Isotropic Material, by V. I. Makhovikov, 12 pp.
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A Method of Approximating Differentiable Functions by Trigonometric Polynomials, by N. M. Pavlovskii, RUSSIAN, per, Yuzh. Inv., Matematika, No 4(41), 1964, pp 118-125,
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On the Question of Specific Criteria for Estimates of the Lengths of Subcritical Intervals, by R. G. Aliyev, 6 pp.
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On the Existence of Upper and Lower Solutions of the Cauchy Problem of a Second Order Differential Equation, by S. A. Pak, E. S. Chichkin, 5 pp. RUSSIAN, per; Iz Vych Ucheb Zaved, Matematika, No 5(42), 1964, pp 91-94. CIA/FDD X-5509

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On the Possible Form of a General Solution to Equilibrium Equations in Curvilinear Coordinates, by V. N. Ionov, G. A. Vvedenskiy, 10 pp.
RUSSIAN, per, Iz Vyssh Uchob Zaved, Matemat, No 6, 1964, pp 59-66. 9698950
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Cavitational Flow Around a Plane Plate, by
A. G. Terent'yev.
RUSSIAN, per, Izvestiya Vyssh Ucheb Zaved,
Matematika, No 6, 1964, pp 159-167.
*FTD TT-65-1070

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Cavitational Flow Past a Flat Plate, by
A. G. Terent'yev, 11 pp.
RUSSIAN, per. Iz Vyssh Uchob Zaved, Matemat,
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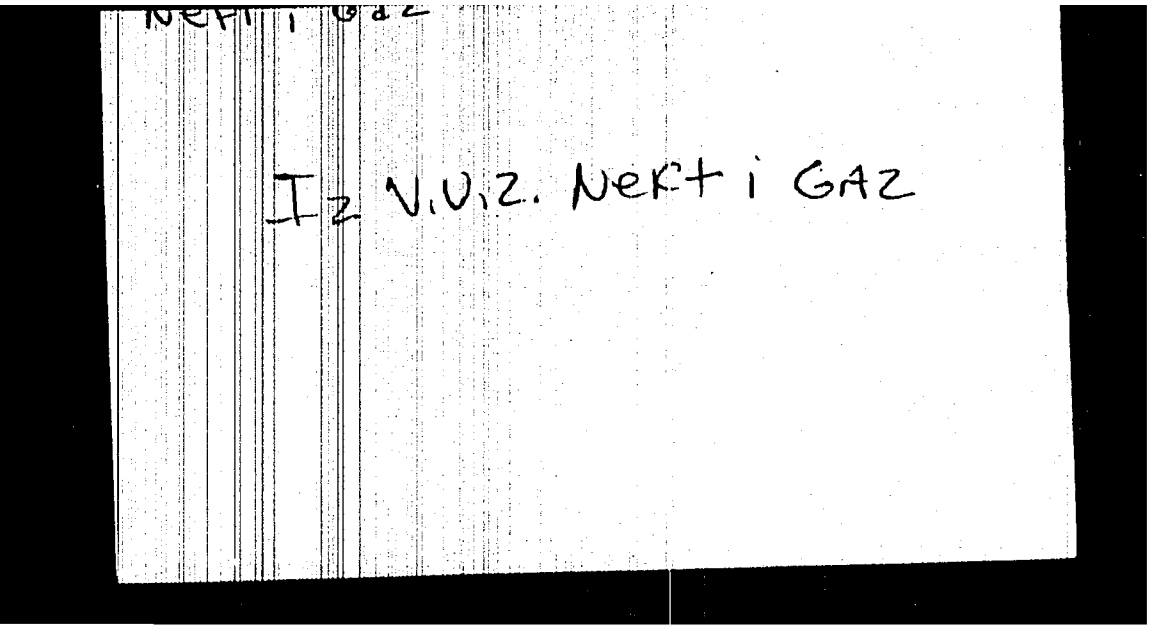

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Galuzo, Yu. V.
ON THE POSSIBILITY OF THE QUANTITATIVE DETERMINATION OF BORON IN ROCKS BY THE NEUTRON GAMMA METHOD. [1963] [6]p.
Order from CTS or SLA $1.10 63-16989

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft' i Gaz (USSR) 1958, v. 1, no. 1, p. 41-44.

DESCRIPTORS: *Rock (Geology), *Boron, Neutrons, Gamma rays, *Radiometers, Radioactivation analysis.

(Earth Sciences--Geology, TT, v. 10, no. 8)

63-16989

I. Galuzo, Yu. V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

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Filtration Towards a Horizontal Well of Finite Length in a Layer of Finite Thickness, by V. P. Merkulov, 11 pp.

RUSSIAN, per, Iz Vyssshikh Ucheb Zaved Neft i Gaz, No 1, 1958, pp 73-80.

SLA 60-10968

119,116

Sci
Jun 60
Vol III, No 5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

On the Parameters of Similitude at the Displacement of One Liquid by Another and on the Influence of Flow-Rate on the Petroleum Recovery, by S. N. Bunimov, 6 pp.

RUSSIAN, per, Iz Vysshikh Uchab Zaved Neft i Gaz, No 1, 1958, pp 81-85.

SLA 60-10989

119,165

Sci
Jun 60
Vol XIX, No 5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

A New Method for the Determination of the Effect of [illegible] and Its Speed on Drilling Rate, by V. G. Isaev, 4 pp.

RUSSIAN, per, Iz Vysshikh Uchob Zavod Neft i Gaz, Vol II, No 3, 1959, pp 51-54.

ARS-411.3aR

119,141

Sci
Jun 60
Vol III, No 5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

Development of Special Grades of Carboxymethylcellulose (CMC) to Improve the Quality of Drilling (Clay) Muds and Improvement in the Technology of their Production, by K. F. Zhigach, M. Z. Finkel'shtein, T. A. Tibilova, 9 pp.

RUSSIAN, per. Izvest Vysshikh Uchebnykh Zavedeniy Neft i Gaz, No 6, 1958, pp 31-38.

ATS-4813CR

Sci - Engr
Sep 59
Vol 2, No 1

97899

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

On the Problem of Production of Synthetic Fuels, by M. G. Mamedli, M. S. Aliyev, 6 pp. UNCL

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Neft i Gaz, No 6, 1958, pp 73-76.

AF 125583

USSR
Econ
Sci - Fuels
Aug 59

93,387

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

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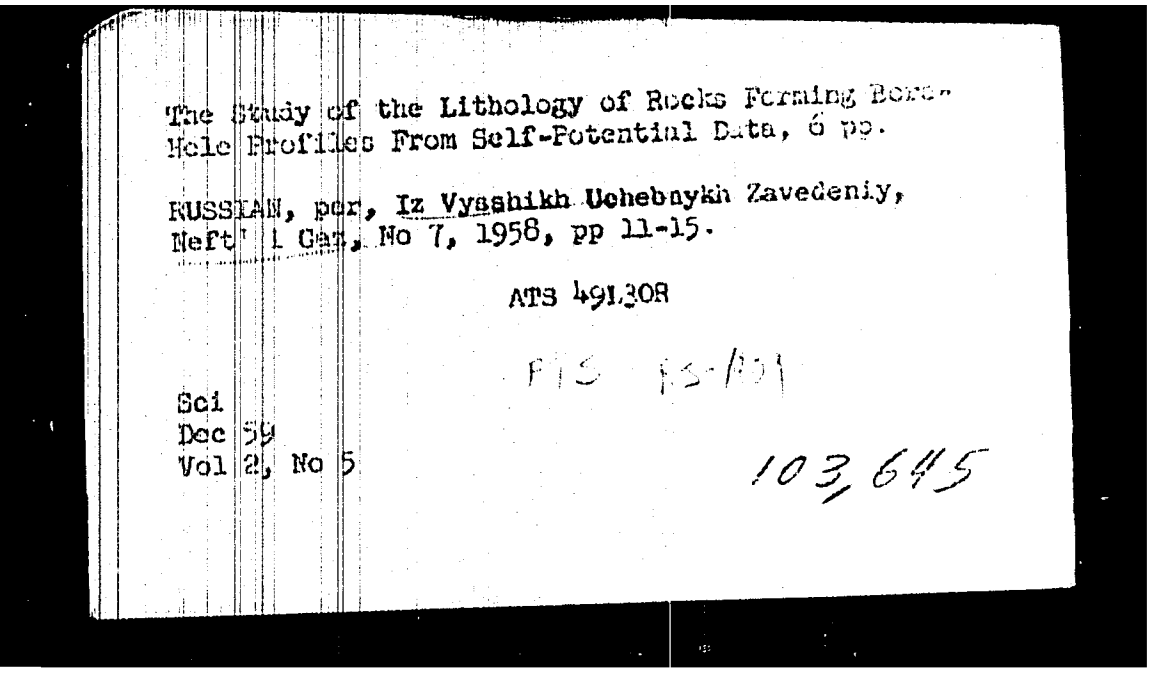

The Study of the Lithology of Rocks Forming Bore-Hole Profiles From Self-Potential Data, 6 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy, Neft' i Gaz, No 7, 1958, pp 11-15.

ATS 491.308

FTS 63-109

Sci
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Vol 2, No 5

103,645

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

Korneev, Y. and Skoblo, A.
THE EFFECT OF PRESSURE ON RELATIVE VOLATILITY IN PROCESSES OF EXTRACTIVE DISTILLATION. [1961] 9p.
Order from ATS $10.75 ATS-41N57R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zavedenii. Neft' i Gaz (USSR) 1958, v. 1, no. 7, p. 57-65.

DESCRIPTORS: Pressure, Evaporation, *Petroleum.

RJ-3304

(Engineering--Chemical, TT, v. 7, no. 6)

62-12350

I. Korneev, Y.
II. Skoblo, A.
III. ATS-41N57R
IV. Associated Technical Services, Inc., East Orange, N. J.

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Finogenov, I. S.
THE EFFECT OF MAJOR FACTORS ON THE HARDNESS OF ARGILLACEOUS CARBONATE ROCKS. [1961] 5p.
Order from ATS $7.55 ATS-29N52R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zaved[enii]. Neft' i Gaz (USSR) 1958, v. 1, no. 8, p. 41-46.

DESCRIPTORS: *Rock, Hardness, Clays.

(Earth Sciences--Geology, TT, v. 6, no. 6)

61-25056

I. Finogenov, I. S.
II. ATS-29N52R
III. Associated Technical Services, Inc., East Orange, N. J.

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

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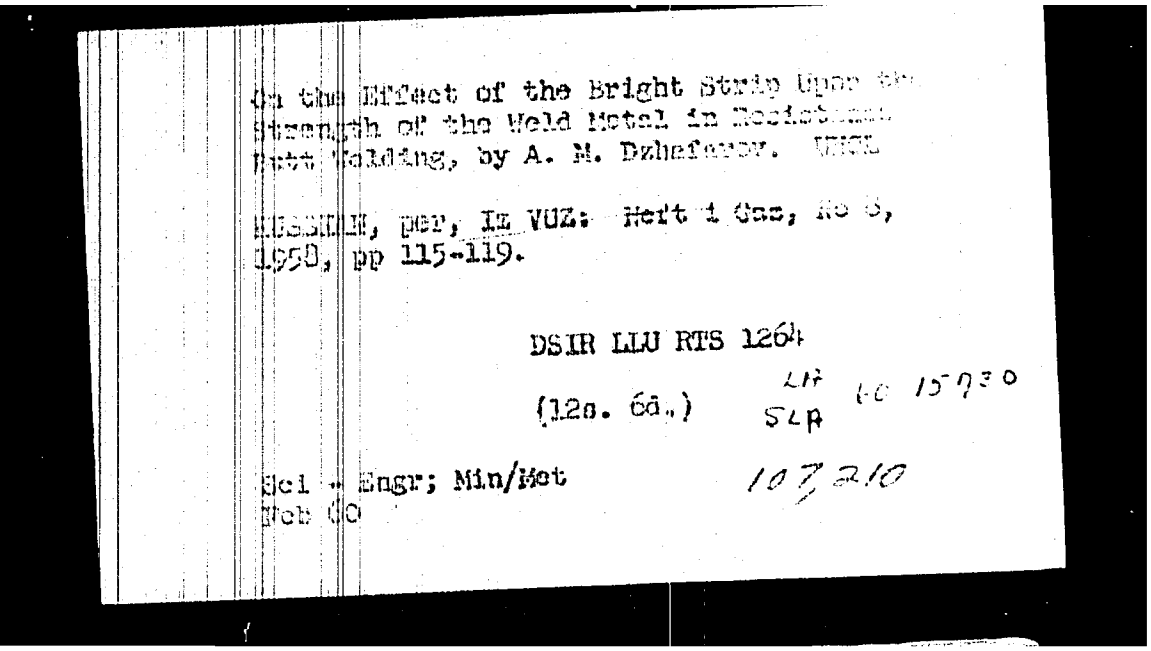

On the Effect of the Bright Strip Upon the Strength of the Weld Metal in Resistance Butt Welding, by A. M. Dzhafarov. VNIIS

MOSCOW, per, IZ VUZ: Mekh i Mash, No 3, 1959, pp 115-119.

DSIR LLU RTS 1264

(12a. 6d.)

Mel - Engr; Min/Met
Feb 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

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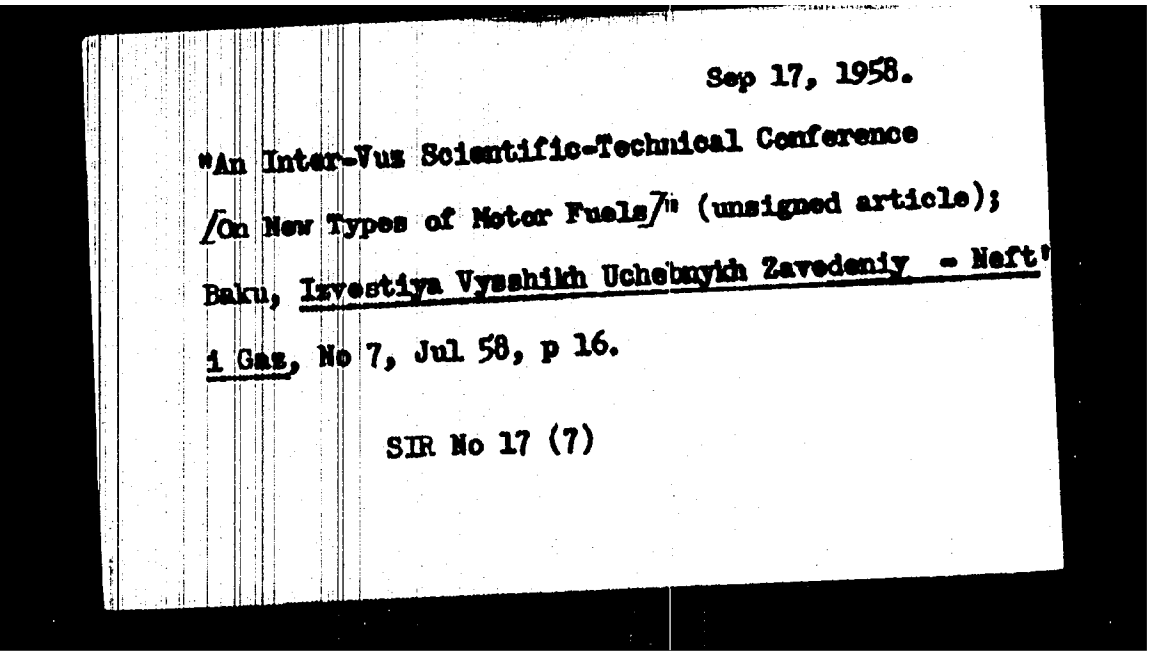

Sep 17, 1958.

"An Inter-Vuz Scientific-Technical Conference /On New Types of Motor Fuels/" (unsigned article); Baku, Izvestiya Vysshikh Uchebnykh Zavedeniy - Neft' i Gaz, No 7, Jul 58, p 16.

SIR No 17 (7)

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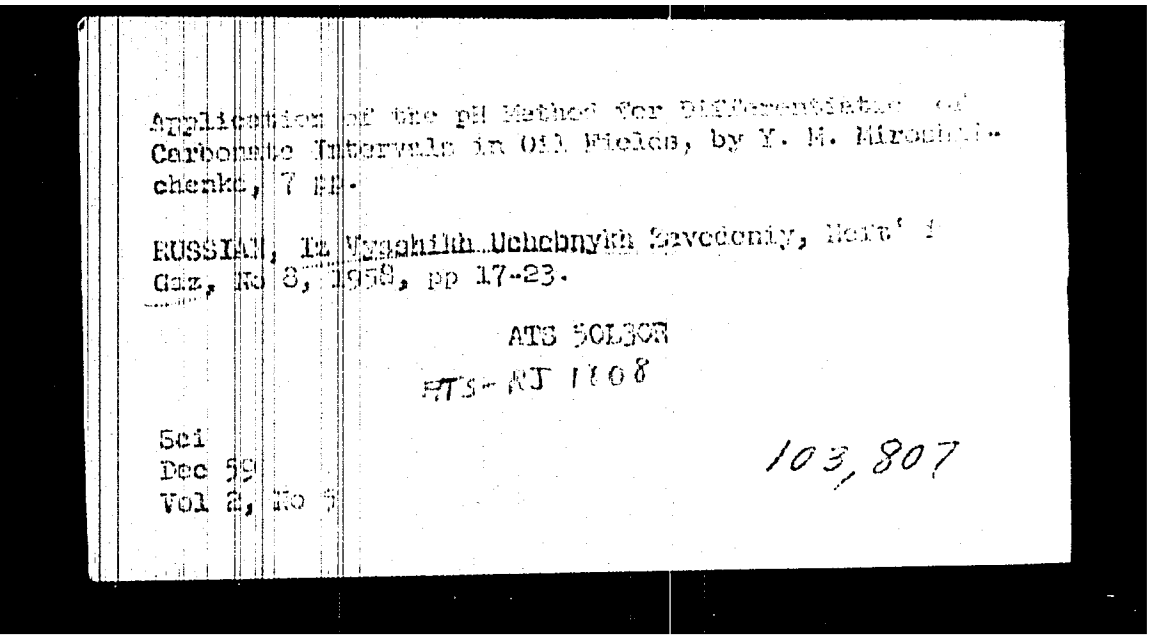

Application of the pH Method for Differentiation of Carbonate Intervals in Oil Fields, by Y. M. Mirouchi-chenko, 7 pp.

RUSSIAN, Iz Vysshikh Uchebnykh Zavedenii, Neft' i Gaz, No 8, 1958, pp 17-23.

ATS 50L30R

FTS-RJ 1108

Sci
Dec 59
Vol 2, No 5

103,807

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

Polyakov, G. G.
EXPERIMENTAL STUDIES OF PERFORATED CASED WELLS USING A RADIAL MODEL WITH A HOMOGENEOUS POROUS MEDIUM. [1961] 7p.
Order from ATS $8.60 ATS-53N54R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zavedenii. Neft' i Gaz (USSR) 1958, v. 1, no. 10, p. 63-68.

DESCRIPTORS: *Porous materials, *Walls, *Petroleum.

(Earth Sciences--Geology, TT, v. 7, no. 4)

61-25623

I. Polyakov, G. G.
II. ATS-53N54R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130035-3

Certain Theoretical Aspects of the Origin of Petroleum and the Formation of Oil Deposits, by S. M. Apresov, 3 PP.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved, Neft' i Gaz., Vol III, No 3, 1959, PP 3-4.

ATS-08M:9R

182,811

Sci
Feb 62
Vol III, No 11

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